

CLAIMS

1. A digital information product comprising:
a computer-readable medium; and
stored on the computer-readable medium, computer program instructions
5 defining a software system that produces software code based on a set of functional
requirements and design parameters provided by a programmer.
2. The digital information product according to claim 1, wherein the computer
program instructions, when executed, allow the programmer to define a design matrix
10 describing a relation between the set of functional requirements and the design
parameters.
3. The digital information product according to claim 2, wherein the computer
program instructions, when executed, allow a programmer to manipulate the design
15 matrix into lower triangular form.
4. The digital information product according to claim 2, wherein the computer
program instructions, when executed, allow a programmer to determine a decoupled
design matrix.
- 20 5. The digital information product according to claim 2, wherein the computer
program instructions, when executed, allow a programmer to determine an uncoupled
design matrix.
- 25 6. A method for producing a software system, the method comprising:
defining a design matrix describing a relation between functional requirements of
the software system and design parameters; and
generating software code based on the design matrix.
- 30 7. The method according to claim 6, further comprising a step of constructing
functions using diagonal elements of the design matrix.